

Work Order ID 77483

77483

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December-08-11 1:38:13 PM

Item ID: D3672-11 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: Phenolic Washer 300
Start Date: 08/12/2011 Start Qty: 50.00 *50* Cust Item ID:
Required Date: 22/12/2011 Req'd Qty: 50.00 *50* Customer:
Reference:

Approvals: Process Plan: M.C.J. Date: 11/12/08 Tooling: Date: Run Start *NR1*
QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3672	Rev C								

100 PURCHASING 0.00
100
Purchasing Memo 0.00
Purchasing Issue P/O: 15647
Purchase Part Number: MM .750 OD X .453 ID X .031 +/- .002
Supplier: HASKINS INDUSTRIAL
Certificate of conformity is required
CL 11/12/12 500

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
Packaging Memo 0.00
Packaging Ensure certificate of conformity is attached
C 11/12/12 500

120 QC6- Inspect dimensions to drawing 0.00
120
QC Memo 0.00
Quality Control 500
QSP019

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 77483**77483***

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December-08-11 1:38:13 PM

Item ID: D3672-11

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Phenolic Washer

Start Date: 08/12/2011 Start Qty: 50.00

50

Cust Item ID:

Required Date: 22/12/2011 Req'd Qty: 50.00

50

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: 74

0.00

130

Packaging

Memo

0.00

Packaging

11/12/20 500

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

11/12/20 500

W/O:		WORK ORDER CHANGES					
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Picklist Print

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Work Order ID: 77483

77483

Parent Item: D3672-11

D3672-11

Parent Item Name: Phenolic Washer

Start Date: 08/12/2011

Required Date: 22/12/2011

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP Rev:A New Issue 07-10-30 DD Verified By:EC
IPP Rev:B ECN 1056 07-11-13 DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3672-11P

Purchased

No

110

Each

0.0000

1

50

D3672-11P

**

WASHER

06/12/14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

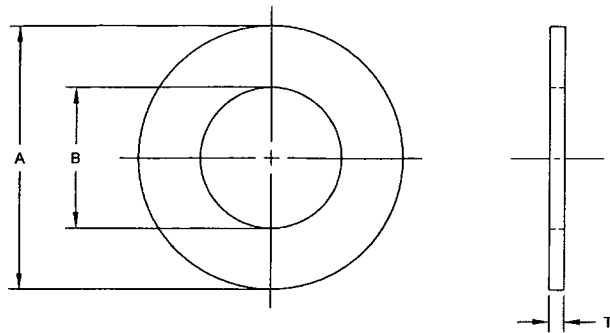
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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SPECIFICATION CONTROL DRAWING



D3672-X PHENOLIC WASHER

Dart P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM .437OD x .210ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM .500OD x .267ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.062	MM .562OD x .326ID x .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.328	0.031	MM .562OD x .328ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM .625OD x .390ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM .750OD x .453ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM .875OD x .515ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L



NOTES:

- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 77483 M.L.J
11/12/08

RELEASED
R 2009-12-14
MS

C	REDRAW, ADD -13 (ZN A8-1), PAR 09-038	CP	09.11.04
B	ADD -5/-7/-9/-11	DC	07.10.09
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION	BY	DATE
DESIGN	DC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JP		
CHECKED	JP	DRAWING NO.	REV. C
MFG. APPR.	JP	D3672	SHEET 1 OF 1
APPROVED	JP	TITLE	SCALE
DE APPR.	JP	PHENOLIC WASHER	NTS
DATE	09.11.04	<small>COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO15647**

Purchase Order Date 12/12/11

PO Print Date 12/13/11

Page Number 1 of 4

Order From :

VC-HAS001

HASKINS INDUSTRIAL
5-52 ANTARES DRIVE
NEPEAN, ON K2E 7Z1
CA

Contact Name
Vendor Phone 613 723 8800
Vendor Fax 613 723 8806
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Line Nbr	Reference Revision 127 Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3672-11P	WASHER	12/21/11 Yes	500.00 Each	Dicom	\$0.3400	\$170.00
		Special Inst:	AS PER DWG D3672 REV. C B77483 P/N: MM.750 OD X .453 ID X .031 +/- .002				
2		193.434 CLAMPING SCREW	12/14/11 Yes	✓ 5.00 Each	Dicom	\$3.2800	\$16.40
3		193.433 TORX SCREW	12/14/11 Yes	✓ 5.00 Each	Dicom	\$3.2800	\$16.40
4		T9F PRENTICE DRILL 33/64	12/14/11 Yes	✓ 2.00 Each	Dicom	\$17.5200	\$35.04

Deliver To: CNC

Deliver To: CNC

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 5

Change Date: 12/13/11

M.M. SALES ADMINISTRATRIX LTD.

7650 KIMBEL STREET
UNIT # 35
MISSISSAUGA, ONTARIO
L5S 1L2

PACKING SLIP

ISO 9001:2008
Registered

Date	Invoice #
13/12/2011	2278

Invoice To

HASKINS INDUSTRIAL INC
5- 52 ANTARES DRIVE
NEPEAN, ONTARIO
K2E 7Z1

Ship To

DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7
TAG P.O. # 15647

P.O. No.

201282

Ship Date

13/12/2011

Ship Via

PUROLAT...

FOB

MISSISSAUGA

Description

Qty

P/N MMS-D-3672-11
PHENOLIC FIBRE FLAT WASHER
.750 X .453 X .031 +/- .002

500

PUROLATOR # 7684382
GST & HST on sales

S 11/12/16

GST/HST No.

889055281